

# ZACHARY A. PRICE

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## Relevant Skills:

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- Programming experience in Ruby, Java, R, and Mathematica ([github.com/zaprice](https://github.com/zaprice))
- Knowledge of Git, MongoDB (Mongoid), Rails, Sinatra
- Wide mathematical expertise in algebra, linear algebra, analysis, and combinatorics

## Work Experience:

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### Sphere of Influence, Inc.

McLean, VA

*Software Developer*

April 2014 – Present

- Full-stack Ruby developer – active development and maintenance of a Ruby on Rails application; built and deployed RESTful web services with Sinatra; produced technical documentation; wrote production patches under time pressure; minor experience with AngularJS
- R developer for data science – prototyped a data analytics platform for John Deere; wrote data visualization, transformation, aggregation, and sanitation procedures for large data sets; authored sections of a pending scientific publication; Impala (SQL) and PostGIS experience

### College of William and Mary

Williamsburg, VA

*IT Student Technician*

June – December 2013

- Provided telephone and walk-in tech support, software troubleshooting, minor computer hardware repair, and computer lab maintenance

### College of William and Mary

Williamsburg, VA

*Teaching Assistant, Linear Algebra*

July – August 2011

- Explained problem solutions; held review and supplementary lectures; tutored individual students on difficult topics

## Education:

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### College of William and Mary

August 2010 – January 2014

Bachelor of Science

Major: Mathematics; Minor: Computer Science

- Computer Science coursework: *Data Structures, Algorithms, Programming Languages, Software Development, Computer Organization*

### George Mason University

January 2015 – Present

Part-time graduate student in Mathematics

## Scholastic Accomplishments:

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- Co-author of “The Distribution of Eigenvalues of Doubly Cyclic  $Z^+$ -Matrices” published in the journal *Linear Algebra and its Applications*, Vol. 439/11
- Presented original research at the SUMS research conference and William and Mary Undergraduate Science Research Symposium
- President (2013) and Treasurer (2012-13) of the William and Mary chapter of Pi Mu Epsilon, mathematics honor society

*References available upon request*